McDonnell, Boehnen, Hulbert & Berghoff
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MBHB Case No. 00-789-A
Inventor(s): William Busa
Serial No. 09/965,876, Filed on September 28, 2001
Title: "Method and System for Image-Based Live-Cell Gene Expression Quantification"

#4

Figure 1

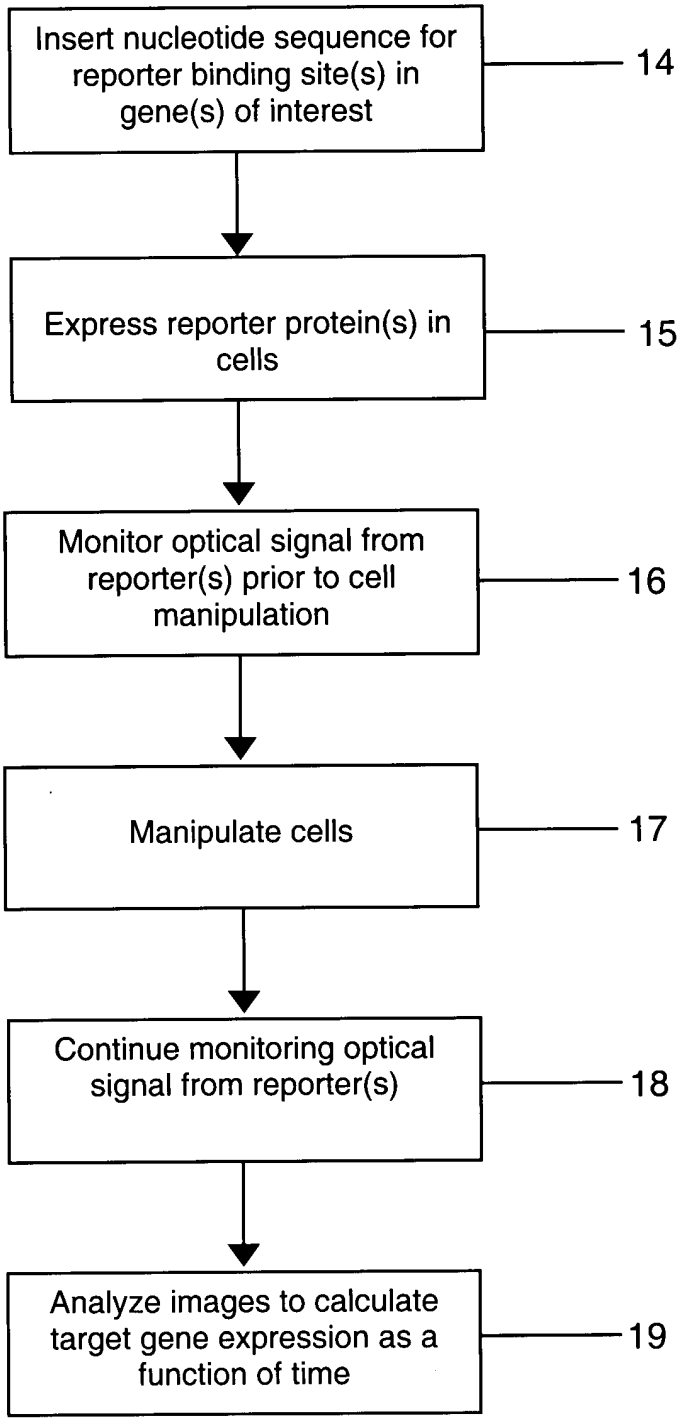


Figure 2

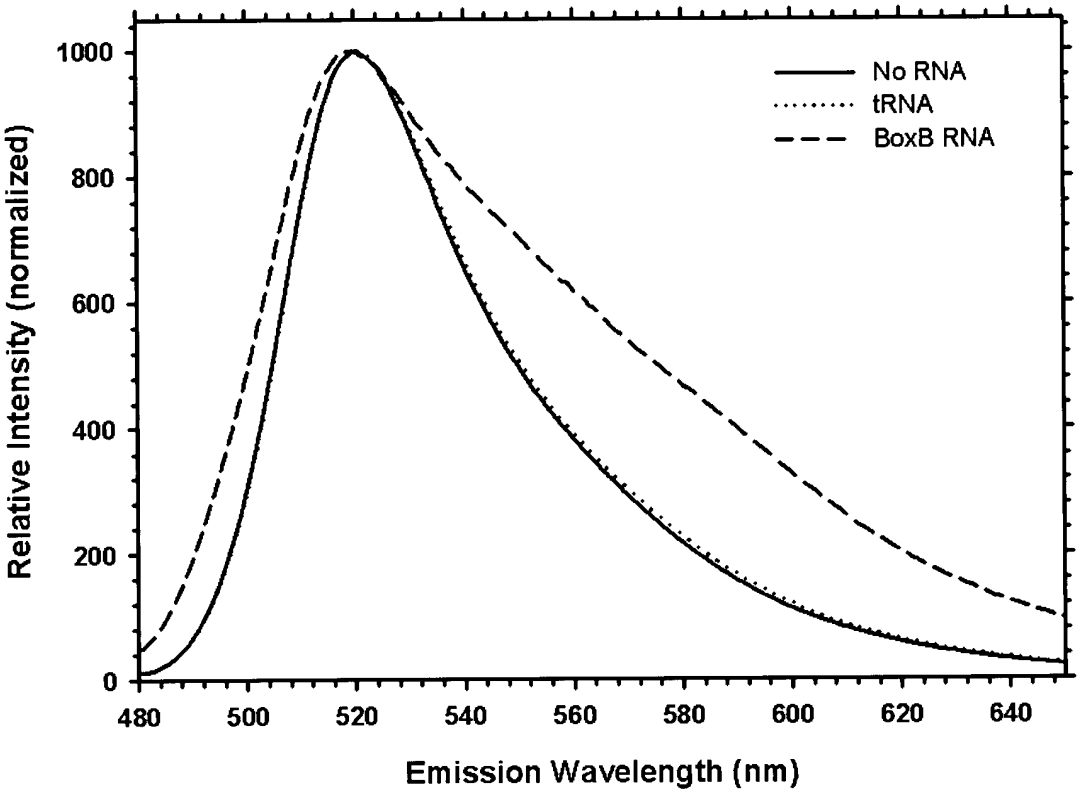
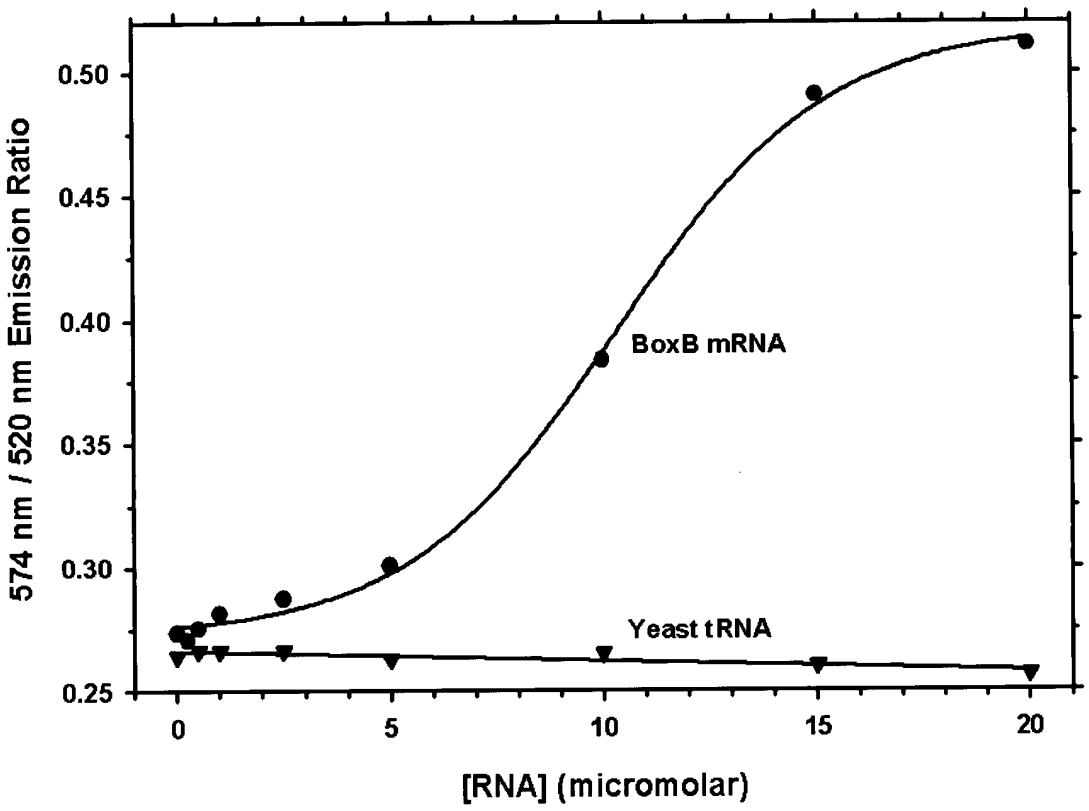

Relative Intensity (normalized)
1000
800
600
400
200
0
480
500
520
540
560
580
600
620
640
Emission Wavelength (nm)
No RNA
tRNA
BoxB RNA

Figure 3


574 nm / 520 nm Emission Ratio
0.50
0.45
0.40
0.35
0.30
0.25
0
5
10
15
20
[RNA] (micromolar)
BoxB mRNA
Yeast tRNA